						lar				γĐε
						Most Popular	Timing	Dose	Diffusion	Core Strategy
	FY15	FY16	FY17	FY18	FY19					
Cluster and Strategy	n=80	n=105	n=109	n=88	n=58	Р	Δ	Е	D	H,L
 Infrastructure Change physical structure and 										
equipment Change the record 	53%	51%	54%	57%	29%	Ρ			D	L
systems Change the location of clinical service 	71%	57%	52%	40%	31%	Ρ	Δ			Н
sites Develop a separate organization or group responsible for disseminating HCV 	26%	37%	39%	34%	14%					
care • Mandate changes to	23%	33%	19%	13%	7%		Δ			
HCV careCreate or change credentialing and/or	55%	52%	35%	27%	22%		Δ		D	
licensure standards • Participate in liability reform efforts that make clinicians more willing to deliver the	29%	30%	17%	16%	17%		Δ			
 clinical innovation Change accreditation or membership 	4%	11%	10%	8%	5%					
requirements	4%	1%	2%	0%	0%					
Financial Access new funding Alter 	30%	41%	41%	47%	21%					Н
incentive/allowance structures • Provide financial disincentives for failure to implement	5%	10%	9%	5%	5%				D	L
or use the clinical innovations • Respond to proposals to deliver	0%	2%	0%	1%	2%					
HCV care • Change billing • Place HCV medications on the	44% 11%	51% 14%	34% 10%	34% 5%	17% 5%		Δ			
formulary • Alter patient fees	70% 0%	69% 0%	61% 0%	45% 0%	28% 0%	Ρ	Δ		D	

1 Appendix 1. Strategy Use and Association with HCV Treatment Over Time

Use capitated	0%	1%	10/	0%	0%					
payments	0%	1%	1%	0%	0%					
 Use other payment schemes 	5%	2%	4%	0%	0%			Е		
Support clinicians	J70	2 /0	4 /0	0 /0	0 /0			<u> </u>		
Create new clinical										
teams	46%	50%	39%	36%	21%			Е	D	L
Facilitate the relay of	4070	0070	0070	0070	2170			L	D	L
clinical data to										
providers	56%	68%	70%	56%	41%	Р				
Revise professional	00/0	00/0	10/0	0070	1170	•				
roles	50%	55%	39%	27%	29%		Δ		D	L
Develop reminder							_		_	_
systems for										
clinicians	34%	44%	34%	43%	29%				D	
 Develop resource 										
sharing agreements	26%	35%	28%	25%	21%					Н
Provide interactive ass	istance									
 Use outside 										
assistance often										
called "facilitation"	8%	12%	24%	20%	12%		Δ			
 Provide technical 										
assistance	15%	25%	25%	19%	12%				D	L
 Provide clinical 										
supervision	44%	48%	35%	32%	28%				D	L
 Use a centralized 										
system to deliver								_		
facilitation	28%	28%	25%	24%	24%			E		H
Adapt and tailor to the	context									
Use data experts to	E 00/	700/	c00/	A A0/	470/	Б	^	F		
manage HCV data	58%	70%	69%	44%	47%	Р	Δ	Е		Н
Use data										
warehousing techniques	85%	91%	92%	86%	81%	Р			D	L
Tailor strategies to	05/0	9170	92 /0	00 /0	01/0	Г			D	L
deliver HCV care	63%	81%	73%	70%	69%	Р	Δ		D	H,L
Promote adaptability	55%	75%	70%	61%	52%	P	Δ		D	H
Train and educate stak			1070	0170	5270		Δ			
Conduct educational	circiaci	5								
meetings	51%	64%	68%	53%	41%	Р				
Have an expert in	• • • •	01/0	0070	0070		•				
HCV care meet with										
providers to educate										
them	41%	53%	51%	48%	33%					
 Provide ongoing 										
HCV training	49%	60%	54%	44%	34%			Е		
 Facilitate the 										
formation of groups										
of providers and										
fostered a										
collaborative										
learning environment	44%	43%	38%	31%	26%					
 Developed formal 										
educational										
materials	39%	35%	39%	30%	12%					

 Distribute educational materials Provide ongoing consultation with one or more HCV 	55%	55%	58%	52%	33%					
 treatment experts Train designated clinicians to train 	58%	71%	59%	56%	55%	Ρ				
others • Vary the information delivery methods to cater to different learning styles when presenting new	20%	26%	26%	20%	17%				D	
information • Give providers opportunities to shadow other	36%	36%	31%	32%	26%					
experts in HCV • Use educational institutions to train	33%	22%	20%	23%	19%					
clinicians	11%	15%	12%	19%	14%			Е		
Develop stakeholder in	terrelatio	onships								
 Build a local 										
coalition/team to					• /				_	_
address challenges	53%	53%	38%	27%	26%		Δ		D	L
 Conduct local 										
consensus										
discussions	48%	54%	50%	32%	22%		Δ			
 Obtain formal written 										
commitments from										
key partners that										
state what they will										
do to implement	40/	40/	.		.			_		
HCV care	4%	4%	6%	7%	0%			Е		
 Recruit, designate, 	0.00/	000/	400/	4.40/	400/					
and/or train leaders	26%	23%	18%	14%	10%					
Inform local opinion										
leaders about										
advances in HCV	400/	460/	400/	220/	200/			г		
care Share the knowledge 	49%	46%	40%	32%	29%			Е		
gained from quality										
improvement efforts										
with other sites										
outside your medical										
center	38%	57%	54%	36%	31%		Δ	Е		н
 Identify and prepare 		0.75	U 770		01/0		-	-		
champions	50%	52%	50%	40%	38%				D	L
Organize support									-	-
teams of clinicians,										
give them time to										
share the lessons										
learned and support	26%	32%	32%	18%	17%					

one another's learning • Use advisory boards and interdisciplinary workgroups to										
provide input into HCV policies and elicit										
recommendations Seek the guidance of experts in 	26%	22%	21%	14%	10%					
 implementation Build on existing high-quality working relationships and networks to promote information sharing 	44%	50%	44%	35%	33%					
and problem solving	61%	71%	62%	58%	47%	Ρ				
 Use modeling or simulated change Partner with a university to share 	13%	15%	11%	10%	5%					
ideas • Make efforts to	14%	11%	13%	17%	7%			Е		
identify early adopters to learn from their										
experiences Visit other sites outside your medical center to try to learn from their 	16%	24%	21%	15%	12%			E		
experiences • Develop an	15%	20%	18%	18%	16%					
implementation glossary • Involve executive	3%	6%	6%	5%	2%					
boards	23%	33%	29%	17%	14%					
 Use evaluative and iter Assess for readiness and identify barriers and facilitators to 	rative str	ategies								
change • Conduct a local	26%	30%	26%	22%	17%					
needs assessment • Develop a formal	45%	43%	39%	24%	24%		Δ			Н
implementation blueprint • Start with small pilot studies and then	34%	36%	29%	22%	14%					Н
scale them up • Collect and summarize clinical performance data	23%	25%	23%	17%	10%				D	н
and give it to clinicians and	21%	26%	30%	19%	19%					

administrators to implement changes in a cyclical fashion using small tests of change before making system-wide changes • Conduct small tests of change, measured									
outcomes, and then refine these tests • Develop and use	19%	21%	27%	18%	10%			D	L
 tools for quality monitoring Develop and organize systems that monitor clinical processes and/or outcomes for the purpose of quality assurance and 	41%	32%	28%	22%	16%		Δ	D	
improvementIntentionally examine the efforts to	30%	28%	24%	13%	12%		Δ		
 promote HCV care Develop strategies to obtain and use patient and family 	61%	69%	61%	52%	43%	Ρ			
feedback	20%	20%	11%	13%	10%				
Engage consumers									
 Involve patients/consumers and family members Engage in efforts to prepare patients to 	50%	61%	50%	44%	34%				
 be active participants in HCV care Intervene with patients/consumers to promote uptake 	63%	57%	50%	43%	34%	Ρ	Δ	D	L
 and adherence to HCV treatment Use mass media to reach large numbers 	71%	79%	68%	60%	50%	Ρ	Δ		
of people • Promote demand for HCV care among	18%	36%	56%	34%	12%		Δ		
patients through any									
other means	40%	52%	59%	42%	31%		Δ	· · · ·	
Bold italicized denotes p-	<.05 for a	associati	on betwe	en strate	egy and H	HCV tr	eatment \	volume (rho	

Bold italicized denotes p<.05 for association between strategy and HCV treatment volume (rho 1

range=.19-.41)

2 3 4 5 6 7

P = Most popular strategies across active implementation years (n=14) Δ = Strategy use changed over time (n=21) E = Strategy has dose effect on HCV treatment volume (n=11) D = Strategy differed in use by Treatment Diffusion group in at least one of the four implementation years

(n=18)

1 2 3	H = Core HIT Strategies (n=11) L = Local Core Strategies (n=11)	
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1 Appendix 2. Implementation Strategies Associated with Treatment Diffusion in

2 Specific Patterns

Strategy	FY15	FY16	FY17	FY18	FY19
Change physical structure	and equipme	ent			
Innovator	63%	26%	39%	71%	7%
Majority	48%	64%	53%	50%	38%
Laggard	55%	38%	81%	60%	36%
Mandate changes to HCV	care				
Innovator	53%	52%	35%	38%	0%
Majority	58%	53%	31%	25%	28%
Laggard	45%	50%	50%	20%	36%
Alter incentive/allowance	structures				
Innovator	16%	9%	9%	0%	0%
Majority	0%	8%	10%	8%	9%
Laggard	9%	19%	6%	0%	0%
Place HCV medications or	n the formular	у			
Innovator	68%	83%	61%	43%	7%
Majority	64%	64%	64%	44%	28%
Laggard	100%	69%	50%	53%	55%
Create new clinical teams					
Innovator	58%	61%	57%	33%	7%
Majority	44%	47%	30%	38%	28%
Laggard	36%	44%	56%	33%	18%
Revise professional roles					
Innovator	68%	57%	26%	14%	7%
Majority	44%	55%	36%	35%	34%
Laggard	45%	56%	69%	20%	45%
Develop reminder systems	s for clinicians	6			
Innovator	21%	30%	39%	43%	13%
Majority	32%	48%	33%	44%	44%
Laggard	64%	44%	31%	40%	9%
Have someone from inside	e the clinic tas	sked with "l	ocal technic	al assistan	ce"
Innovator	26%	13%	26%	14%	13%
Majority	14%	30%	19%	25%	16%
Laggard	0%	19%	50%	7%	0%
Provide clinical supervision					
Innovator	47%	30%	39%	14%	20%
Majority	44%	53%	36%	42%	34%
Laggard	36%	50%	25%	20%	18%
Use data warehousing tec	hniques				
Innovator	89%	78%	87%	86%	80%
Majority	84%	95%	93%	88%	81%

Laggard	82%	94%	94%	80%	82%
Tailor strategies to deliver					
HCV care					
Innovator	68%	74%	87%	81%	53%
Majority	56%	86%	67%	65%	84%
Laggard	82%	69%	81%	73%	45%
Train designated clinicians t	o train othe	rs			
Innovator	21%	17%	22%	14%	7%
Majority	22%	33%	29%	25%	25%
Laggard	9%	6%	19%	13%	9%
Build a local coalition/team	to address o	challenges			
Innovator	53%	65%	30%	33%	13%
Majority	54%	53%	31%	31%	31%
Laggard	45%	38%	75%	7%	27%
Identify and prepare champ	ions				
Innovator	58%	39%	35%	43%	47%
Majority	52%	58%	49%	38%	38%
Laggard	27%	50%	75%	40%	27%
Start with small pilot studies	and then s	cale them u	Ip		
Innovator	21%	9%	22%	14%	7%
Majority	24%	26%	23%	19%	9%
Laggard	18%	44%	25%	13%	18%
Conduct small tests of chan	ge, measur	e outcomes	, and then	refine these	e tests
Innovator	21%	13%	13%	14%	7%
Majority	20%	21%	26%	19%	13%
Laggard	9%	31%	50%	20%	9%
Develop and use tools for q	uality monit	oring			
Innovator	42%	17%	30%	14%	7%
Majority	42%	38%	21%	21%	25%
Laggard	36%	31%	56%	33%	0%
Engage in efforts to prepare	patients to	be active n	articipants	in HCV car	э
Innovator	84%	52%	57%	38%	33%
Majority	52%	59%	46%	44%	38%
Laggard	73%	56%	56%	47%	27%
old denotes highest use of				,0	/0